

Title (en)  
Power converter unit

Title (de)  
Stromrichter

Title (fr)  
Convertisseur de courant

Publication  
**EP 1921739 A2 20080514 (EN)**

Application  
**EP 07021947 A 20071112**

Priority  
JP 2006306115 A 20061113

Abstract (en)  
The present invention relates to a power converter unit (20) which comprises: a metal casing (6); a power module (5) mounted in the metal casing (6) and equipped with two or more power semiconductor devices (M); a metal plate (4) disposed on the power module (5) and fixed to the metal casing (6); a heat dissipating sheet (3) disposed on the metal plate (4); and a drive circuit board (1) disposed on the heat dissipating sheet (3) and is equipped with a control circuit for controlling the power semiconductor devices (M).

IPC 8 full level  
**H02M 7/00** (2006.01)

CPC (source: EP US)  
**H02M 7/003** (2013.01 - EP US); **H01L 2224/45124** (2013.01 - EP US); **H01L 2224/45147** (2013.01 - EP US); **H01L 2224/48091** (2013.01 - EP US); **H01L 2224/48139** (2013.01 - EP US); **H01L 2224/49111** (2013.01 - EP); **H01L 2224/49175** (2013.01 - EP US); **H01L 2924/1305** (2013.01 - EP US); **H01L 2924/13055** (2013.01 - EP US); **H01L 2924/13091** (2013.01 - EP US); **H01L 2924/181** (2013.01 - EP); **H01L 2924/19107** (2013.01 - EP); **H01L 2924/30107** (2013.01 - EP US); **H01L 2924/3025** (2013.01 - EP US)

Citation (applicant)  
JP 2004282804 A 20041007 - TOSHIBA CORP

Cited by  
EP2323469A1; EP2763305A4; CN105391177A; CN113300180A; US9373998B2

Designated contracting state (EPC)  
DE FR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1921739 A2 20080514**; **EP 1921739 A3 20160316**; **EP 1921739 B1 20210505**; CN 101202495 A 20080618; CN 101202495 B 20101201; JP 2008125240 A 20080529; JP 4909712 B2 20120404; US 2008112201 A1 20080515; US 7561429 B2 20090714

DOCDB simple family (application)  
**EP 07021947 A 20071112**; CN 200710169289 A 20071108; JP 2006306115 A 20061113; US 93885107 A 20071113